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- (71) Applicant (for all designated States except US):
CARGILL, INCORPORATED [US/US]; Law Department, P.O. Box 5624, Minneapolis, MN 55440-5624 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MILLIS, James, R.** [US/US]; 2360 Yuma Lane North, Plymouth, MN 55447 (US). **TUPY, Michael, J.** [US/US]; 8332 32nd Place North, Crystal, MN 55427 (US). **ABRAHAM, Timothy, W.** [LK/US]; 18507 Apple Tree Court, Minnetonka, MN 55345 (US). **DE SOUZA, Mervyn, L.** [IN/US]; 10935 38th Avenue North, Plymouth, MN 55441 (US).
- (74) Agent: **PRIBNOW, Scott**; Cargill Incorporated, 15407 McGinty Road West, Wayzata, MN 55391 (US).
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(54) Title: METHOD FOR MAKING INDUSTRIAL CHEMICALS

(57) Abstract: A process for producing industrially important chemicals from renewable resources is disclosed. This "biobased" process employs readily available, renewable resources comprising fatty acids rather than exploiting fossil sources, such as coal and petroleum. In one embodiment of the process 1-octene, along with methyl-9-decenoate and butadiene, is produced from linoleic acid via an enzymemediated isomerization reaction, followed by a metathesis reaction with ethylene. Linoleic acid can be isolated from vegetable oils, such as soybean oil.

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